Creating an Educational Intervention to Address Obesity Among Adolescents in Primary Care

Lacey Bliss, MSN, FNP-C

Oregon Health & Science University

#### Abstract

Obesity management interventions have been reinforced by several agencies such as the Centers of Disease Control and Prevention, United States Preventive Services Task Force and on a community level from the Washington State Department of Health. The University of Washington Neighborhood Clinics is a primary care network serving in the Puget Sound area. The network has been impacted by the increase in obese pediatric patients and is seeking to reduce obesity in pediatric patients.

Physical and nutritional group education has shown to increase healthy lifestyles and decrease depression in pediatric patients with low interventional needs in many studies (Batista et al., 2017; Boeckner et al., 2017; Damschroder et al., 2017). Given the low risk of obesity education, and high reward, an educational intervention was designed based off previous evidence-based interventions to increase healthy lifestyle among adolescents at University of Washington Neighborhood Clinic Kent DesMoines.

This educational intervention is aimed at decreasing adolescent obesity at University of Washington Neighborhood Clinic Kent DesMoines. A second aim is to encourage healthy lifestyles among adolescents. The intervention includes the following components; diet modification decreasing portions, consuming less ultra-process foods, eating more vegetables, eating regular meals as a family, increasing physical activity, limiting nonacademic screen time, and goal setting (Cardel, et al., 2019)

Next steps will include implementation of educational classes and evaluating this intervention.

Keywords: obesity, adolescents, behavior, education, primary care, intervention

Creating an Educational Intervention to Address Obesity Among Adolescents in Primary Care

#### Introduction

Obesity is a public health problem affecting adults and children nation-wide. Obesity is standardly calculated by body mass index (BMI) defined as a numerical calculation greater than or equal to thirty. Obesity is associated with health problems such as increased risk for coronary heart disease, type 2 diabetes, various types of cancer, gallstones, and disability (Centers of Disease Control and Prevention (CDC), 2015). With about half of men and women in the United States afflicted with obesity, a serious health crisis is obvious (Ogden, Carroll, Fryar, & Flegal, 2015). As of 2008, that latest statistics, the estimated annual medical cost of obesity in the United States is \$147 billion (CDC, 2008). Specifically, childhood obesity has systemic effect on communities, and at national levels. About one third of children and adolescents between age six and nineteen are overweight or obese (Ogden et al., 2012). On a national level this has significant impacts in cost, with an estimate of fourteen billion a year in 2012 (Cawley, 2012), and even influences military readiness with up to twenty eight percent of young adults unable to qualify due to weight (Mission Readiness, 2010). The risk of obesity persisting into adulthood is higher in overweight and obese adolescents then in overweight and obese younger children (Gurnani, et al., 2015).

Within Washington state, obesity rates have risen over time, and disproportionately affect lower income, and lower educated adults (Washington State Department of Health, 2016). The Washington State Department of Health (2016) latest statistics also show a significant increase in tenth graders who are now considered obese with a sharp rise. This is an uptick across all populations in Washington state, not only revealing a crisis at an individual level, but a community level. With adulthood obesity linked to many health implications, it is prudent to address obesity in children and adolescents with aggressive interventions with a goal to reduce weight to under eighty fifth percentile prior to adulthood.

It remains clear that the current evidence trends suggest that clinicians in primary care should be first, screening for obesity, and second, offering intensive obesity management. What is not as clean cut, and perhaps a gap in knowledge, is how and what to offer as "multicomponent behavioral interventions".

This project aims to create an educational intervention that will be used at the University of Washington Neighborhood Clinic in Kent DesMoines to reduce obesity among adolescent patient population.

## **Literature Review**

#### **Search Strategy**

A literature review was performed in October and November of 2019 focused on current data related to pediatric education classes to create an impact on obesity within primary care. EBSCOHost, and PubMed databases were utilized, excluding trials greater than five years of age. Randomized control trials and quasi-experimental were preferred. Searchable key words used were as follows: pediatric, obesity, obesity management, chronic illness, intervention and education. A wide-net search using all above keywords resulted in fifteen thousand articles in October 2019. This was reduced to roughly one thousand with key word combinations, and inclusion criteria of articles posted after 2014. Lastly, articles involving randomized controlled trials with a setting in primary care reduced search to eight articles. In addition, American Academy of Pediatrics, Obesity Medical Association, and American Medical Association was consulted in this project. The following themes were identified in the articles under review; health impact of childhood obesity, interventions for weight loss, and barriers to weight loss.

#### Health Impact of Childhood Obesity

Health impact of childhood obesity was a clear theme in all studies reviewed. Children who are obese report similar quality of life scores to children who are undergoing cancer treatment (Gurnani, et al., 2015). Clearly, psychiatric consequences of obesity have been reported including higher levels of anxiety, depression, low self-esteem, bullying, and binge eating disorder (Gurnani, et al., 2015). 1Eighteen percent of twelve to nineteen-year olds with obesity have prediabetes, forty three percent of children with obesity have dyslipidemia, and twenty five percent of 5-11 year olds with obesity have hypertension. The health impact of childhood obesity is vast and attacking childhood obesity at a primary care level prior to developing obesity related co-morbidities impacts is key to lowering obesity risk in all children and adults.

#### Interventions for Weight Loss

Multiple educational interventions were discovered in the pediatric literature review. Physical activity, dietary educational classes, pamphlet education, and one on one health coaching all of which reduced BMI in pediatric patients as a target aim (Barnett, 2017, Taveres et al.,2015). Barlow (2007) presented expert recommendations for the treatment of overweight and obese children and adolescents. These recommendations include a system for evaluating and identifying resources, such as pediatric dietitians, training staff members for diet and activity assessments, and referral systems.

The American Academy of Pediatrics (Barlow, 2007) has several helpful guidelines for guiding clinicians and stakeholders in reducing obesity in children and adolescents. Weekly

visits for a minimum of eight to twelve weeks seem to be most efficacious (Barlow, 2007). It is further recognized by the American Medical Association that at least 26 contact hours over two to twelve months is most adventitious (Cardel, et al., 2019). The goal should be weight maintenance or gradual weight loss until BMI is less then eighty fifth percentile. Weight loss should not exceed 1 lb/month for children 2 to 5 years of age, or 2 lb/week for older obese children and adolescents (Bays, et al., 2019). As of October 2019, the American Academy of Pediatrics recommends bariatric surgery be considered for youth with BMI > 35 with comorbid disease or for those with BMI > 40 (Armstrong, et al., 2019).

Simple interventions do have a significant impact on weight loss, even when compared to more intensive interventions across a wide range of participants (Batista, 2017; Boeckner, et al., 2017; Damschroder, et al., 2017). The STAR Trial detailed reduction in BMI in patients using self-guided behavioral targets such as reduced screen time, more sleep, less sugary beverages, and increased physical activity (Taveras, et al., 2015). Most recently published practice guidelines for adult obesity contain one hundred and twenty-three clinical practice recommendations (Garvey et al., 2016). This is an extraordinary amount of information to process and individualize for every patient. Using a multidisciplinary team to focus on behavior change in the setting of group classes can minimize resources and maximize benefits. *Barriers to Weight Loss* 

There are many barriers to individual weight loss such as concerns about treatment efficacy, negative attitudes towards obese patients, availability of food, poverty and mental illness (Barnes, et al., 2015; Bourassa et al., 2017; Owen, et al., 2017). The studies reflect similar results between aggressive interventions (in person one-on-one education), versus group education (Boff et al., 2017, Hageman et al., 2017, & Lutes et al., 2017), suggesting that cost may not be a barrier. Attendance is a barrier to engagement in any weight loss program and echoed across studies (Chamberline et al., 2017).

#### Gaps in the Literature

Clear gaps found when reviewing the literature for obesity management in the population of pediatrics. Several bodies recommend multidisciplinary behavioral intervention, but it is yet to be clearly defined how to do such an intervention (Cardel, et al., 2019; Barlow, 2007). Closing this gap in care by first creating a multidisciplinary behavioral intervention, and secondly implementing intervention across different settings is cornerstone in reducing pediatric obesity in primary care.

#### Rationale

As of September 2018, the United States Preventive Services Task Force recommends that clinicians offer or refer adults and children six years and older with a body mass index of thirty or higher to intensive, multicomponent behavioral interventions (2018). University of Washington Neighborhood Clinic Kent DesMoines has more than 1,700 pediatric patients (University of Washington Medical Center, 2019). Using Analytical Explorer within the electronic medical record at Kent DesMoines primary care clinic, there are thirty percent of teens ages 13-18 years old who are overweight or obese.

The Transtheoretical Model provides a nice framework for assessing readiness of change and transitions from each stage during change (precontemplation, contemplation, preparation, action, and maintenance). In 2014, the Eating and Activity Teen study found that one unit increase in change motivation, increased moderate to vigorous activity minutes in both boys and girls (Graham, Wall, Larson, & Nurmakr-Szuainer, 2014), suggesting that this model can aid in assessing success in patients and obesity education interventions. When suggesting a group wellness program to patients of any age, this model should be considered in accounting for the patient's readiness for change. Obesity education has strong literature support and is expected impact overall pounds' loss, waist circumference, blood pressure, and minutes exercised (Boff et al., 2017; Hageman et al., 2017; Lutes et al., 2017), if patients attend.

#### **Specific Aims**

This project is designed to create the curriculum that will be used at the University of Washington Neighborhood Clinic Kent DesMoines. The purpose of this project was to produce a cost-effective class curriculum, for use in primary care, to target healthy lifestyle habits in overweight and obese pediatric patients at the University of Washington Neighborhood Clinic Kent DesMoines.

This curriculum is intended to eventually have the following aim; To increase overweight and obese patient involvement (x = 510 patients) in healthy lifestyle education at University of Washington Neighborhood Clinics to 3% (15 patients) through attendance of a class utilizing project curriculum by December 2021.

#### Methods

#### Setting

The population served at the University of Washington Neighborhood Clinics is diverse. This network accepts all state and private medical insurances, with a heavy mix (> 50%) of Medicaid at Kent DesMoines Primary Care clinic. University of Washington Neighborhood Clinics is seeking less expensive interventions to reduce obesity among adolescents. This clinic is within a large health system with an available registered nurse, and nutritionist on site at baseline to assist with the implementation of education classes. Future classes utilizing project curriculum will be provided during business hours and do not require extra staff, electric, or security reducing overall cost for the network. This will allow the proposed educational intervention to be more feasible and generalizable to other University clinics in the future. As insurers move from volume pay to quality pay (Centers of Medicare & Medicaid Services, 2017), healthcare institutions supporting weight loss efforts can have a lasting impact on patients, and the network overall.

#### **Evolution of Project**

The build of this curriculum for a future wellness program has many elements that evolved over time. The curriculum was built based on the demand of one clinic and was built with consideration of the population and Pediatrician requests discovered in Phase I of this project. In order to build the curriculum, the American Academy of Pediatrics was consulted because it provides primary care-based based weight reduction recommendations for overweight adolescents (Barlow, 2018).

#### Intervention

A three-phase project was introduced. Phase I being a survey of onsite pediatricians. Phase II being curriculum build, and Phase III being class implementation. Phase one and two are complete for this project.

#### Phase I

Phase I was completed by an onsite presentation and survey of onsite pediatricians and family practice physicians at University of Washington Neighborhood Clinic Kent DesMoines. The goal was to sample needs and create buy in for an educational intervention at the anticipated intervention clinic. The survey included patient educational needs, class topic ideas, class time, date availability, and was used to identify pediatricians willing to participate in onsite visits with family and patients post intervention.

## Phase II

Using survey results from Phase I and evidence based educational interventions in pediatric obesity management a curriculum outline was built. Six class outlines were produced and are ready to be put in place to structure an educational intervention for adolescents in primary care. Nutrition and physical activity-based education interventions are most widely found in literature review and were heavily weighted to build the six classes (Batista, 2017; Cardel, 2019; Obesity Medical Association, 2019).

#### **Measures & Outcomes**

#### Phase I

One hundred percent of surveys were returned from January 2020 through March 2020. A qualitative review of the survey results was conducted in March 2020. The results of survey review were used to consider class topics in the build of the curriculum. All survey participants felt that behavior changes should be included in the curriculum followed by activity and healthy cooking. Two topics, self-esteem and screen time, were added to class curriculum due to survey responses. Participants were split including all teens (42%) vs teens who are overweight (50%) in the class, leaving one participant who prefers to target teens who are obese in the class (9%). Interestingly, including an automatic bariatric surgery referral in class participants was almost unanimously refused. It is suspected this is due to the survey question not defining who gets an automatic bariatric referral or poor understanding of current guidelines which suggest all adolescents should receive a bariatric surgery referral with BMI > 35 with comorbid disease or for those with BMI > 40 (Armstrong, et al., 2019). No participant reported reservations on following teens in primary care for obesity management.

Phase II

A curriculum was created for reproducible use in primary care to encourage healthy lifestyle education in adolescents. Cardel, et al. (2019) recommend that weight reduction in adolescents should include a multidisciplinary team with physicians, registered nutritionists, exercise physiologists, and psychologists which was the foundation and minimum outline for the curriculum created. The gold standard is at least twenty-six contact hours over a period of two to twelve months, with emphasis on improving health behaviors (Cardel, et al., 2019, Taveras, et al., 2015). This gold standard was extrapolated to the curriculum build which was crafted to include twenty-six contact hours over a seven-month time frame. Small et al. (2014) found that family led interventions are successful in teens in targeting reduction of BMI, which is why the curriculum included family based primary care visits after class completion. The class themes based on guidelines included reduced screen time, more sleep, less sugary beverages, and increased physical activity (Taveras, et al., 2015). These themes are current recommendations by American Medical Association, American Pediatric Society, and the United States Preventative Task Force therefore used as a structural baseline for the curriculum (Barlow, 2007; Brown, Perrin, 2018; Cardel, Atkinson, et al., 2020; Grossman, et al. 2017). As of March 2020, the most recent obesity treatment guidelines were published, recommending integration of behavioral, pharmacologic, and surgical/device interventions simultaneously to improve outcomes (Cardel, Atkinson, et al., 2020). Lastly, Phase I survey results were woven into the curriculum to cater to the specific primary care clinic for future implementation. All of the above was taken into consideration in building the curriculum using the best evidence available.

In building the class a local high school teacher, Ms. Melissa Baker, was consulted to help ensure the class could hold interest of 14-17-year-old students (personal communication,

February, 2020). This brought a different point of view in structuring the class from power points to interactive discussions, hands on activities, and movement.

Curriculum was created to fit within the constructs appropriate and feasible for primary care clinics. The curriculum consists of lectures guided by TedTalks (TedEd), TicTok (Chris, n.d.) and YouTube (HealthSignz, 2016). Journaling, discussion, and hands on activities including cooking demonstrations and skill class, yoga and meditation are used to reinforce learning. See Appendix A-F.

Each class is easily reproducible with supply list, class outline and predicted costs for any facilitator. The class outline includes 20 minutes of ice breakers, 40 minutes of education, 40 minutes of an activity and question & answer time. Class structure was also built to include billable provider time. Eventually, the class will be offered as six two-hour weekly classes, followed by billable monthly appointments with primary care, nutrition, and social work for close follow up (Table 1.)

1 nuse in sugg										
	04/21	05/21	06/21	07/21	08/21	09/21	10/21	11/21	12/21	TOTAL
										CONTACT
										HOURS:
Patient	Х	Х								
registration										
Pre-class data			Х							0.5
Class x6 weeks			Х	Х						12
Post-class data				Х						0.5
PCP Visit				Х	Х	Х	Х	Х	Х	4
Social worker visit					Х		Х		Х	3
Nutrition visit				Х	Х	Х	Х	Х	Х	6
TOTAL TIME:										26

# Table 1Phase III Suggested Class Layout

#### Cost

No conflicts of interest need to be disclosed. Cost of the build of this educational implementation is low and part of structured doctoral student work. It should be mentioned that the proposed class outline and future class launch does have a projected cost from \$40-400 in totality and this variable cost is dependent on community donations (Appendix G).

## **Unintended Consequences**

Originally, the plan was to adapt an existing curriculum from a nearby specialty clinic offering similar classes for use in primary care. This was not possible due to political red tape. It was also difficult to replicate any published study, as very vague class structures are described in the current literature. Eventually what happened was a curriculum build that was made to cater to the needs of University of Washington Neighborhood Clinics.

One success of building the curriculum from scratch was bringing a huge sponsor to the program which was not originally planned. The local YMCA is interested in hosting future classes and offering facilitators/athletic trainer time to the class in the future. This was a blessing to the growth and sustainability of future wellness classes at University of Washington Neighborhood Clinics overall.

#### Project Impacts From SARS-CoV-2

Unfortunately, a national pandemic known as SARS-CoV-2/Coronavirus-19 (COVID-19) has set back the launch of Phase III a year at minimum. COVID-19 has also impacted a post build presentation of Phase II (the curriculum) and survey which was originally planned for May 2020. With financial pressures, as of May 2020 due to COVID-19 within the network at large, the presentation of this project to management, providers, and staff will be pushed to 2021 prior

to the predicted launch. The provider post curriculum build survey which was slated for May 2020 will not be conducted due to COVID-19.

#### **Ethical Considerations**

The benefit of behavioral weight loss interventions is clear through the literature review, as being successful in helping patients lose weight. Ethically, the patient still has autonomy and the right to choose to be a part of any given health care intervention, including obesity management education, visits, referrals, and pharmacologic therapy. Forcing any such interventions on a patient will result in a fractured relationship between the patient and the provider. All participants invited to the future project can choose not to participate at any time. This future project should be submitted to Institutional Review Board to decide if a formal approval is necessary.

#### Next Steps & Phase III

It is difficult to review currently published curriculum for comparison, as actual content is difficult to find. This unexpectedly led to the build of this curriculum to be easily replicated and shared among any primary care clinic nationwide.

The cost of this project is low, primarily student hours to complete a Doctorate of Nursing Practice degree. It could be projected that the future implementation of the class will have costs as outlined in the curriculum (Appendix G). The impact of this project is yet to be seen. The curriculum was shaped to include multidisciplinary education workshops followed by the pharmacologic piece as determined by the patient's primary care provider, referral to surgical evaluation if qualified, nutritional and psychosocial support based on current research in adolescent weight loss (Cardel, Atkinson, et al., 2020). This framework is predicted to yield success in adolescent lifestyle changes once implemented. It is hopeful that the usefulness of this curriculum is wide reaching once primary care clinics can offer such a class. Under the current pressures of COVID-19 it is anticipated that the launch date for the class is pushed at least one year for cost, safety, and participation interest.

Next steps (Phase III) involve using database software collect a list of qualifying patients at the intervention primary care practice. Inviting patients to register for the complete class and structured follow up individualized visits. Phase III is predicted to launch June 2021 (Table 1). It is anticipated that this project will roll out next year, creating more student labor as it grows.

#### Conclusion

Adolescents should be supported while learning lifelong habits to help support, reverse, and prevent obesity related comorbidities. Treating obesity as a disease in primary care is the future in medicine, particularly with the accessibility primary care offers to all patients. Although treating adults with obesity in primary care is novel, this type of care should be expanded to adolescents given the aggressive and relapsing pattern of obesity. It is the clinicians' duty to treat obesity as a disease with lifelong follow-up. Diagnosing, treating and preventing obesity in adolescents is particularly important for successful outcomes in adults. Offering accessible treatment in primary care is the clear answer to help prevent this lifelong disease and reach the most patients. This projects curriculum was built for use at one clinic, but widespread use at any primary care clinic is encouraged.

#### References

- Armstrong, S., Bolling, C., Michalsky, P., & Reichard, K. (2019). Pediatric Metabolic and
  Bariatric Surgery: Evidence, Barriers, and Best Practices. *Pediatrics*.
  DOI: 10.1542/peds.2019-3223
- Barlow, S.E. (2007). Expert Committee recommendations regarding the prevention, assessment, and treatment of child and adolescent overweight and obesity: summary report. *Pediatrics*, *120*, S164-92.
- Barnes, E.R., Theeke, L.A., & Mallow, J. (2015). Impact of the Provider and Healthcare team Adherence to Treatment Guidelines (PHAT- G) intervention on adherence to national obesity clinical practice guidelines in a primary care centre. Journal of Evaluation in Clinical Practice, 21(2), 300–306.
- Barnett, A. W. (2017). Structured Physical Activity and Dietary Education Program for Obese
  Adolescents: An Evaluation of a Quality Improvement Project at a Rural Primary Care
  Clinic. Structured Physical Activity & Dietary Education Program for Obese
  Adolescents: An Evaluation of a Quality Improvement Project at a Rural Primary Care
  Clinic, 1. Retrieved from
  http://search.ebscohost.com.liboff.ohsu.edu/login.aspx?direct=true&db=rzh&AN=12959
  3024&site=ehost-live
- Bays, H., McCarthy, W., Christensen, S., Wells, S., Long, J., Shah, N., & Primack, C. (2019).Obesity Algorithm. Obesity Medicine Association Obesity Algorithm VII- Release:May 2019.
- Boff, R., Liboni, R., Batista, I., Souza, L., Oliveira, M., Boff, R. M., & ... Oliveira, M. S. (2017).

Weight loss interventions for overweight and obese adolescents: a systematic review. *Eating & Weight Disorders*, 22(2), 211-229. doi:10.1007/s40519-016-0309-1

- Batista, I., Boff, R., Liboni, R., Oliveria, M., Souza, L., Oliveira, M., & Oliveira, M.S. (2017).
  Weight loss interventions for overweight and obese adolescents: a systematic
  review. *Eating & Weight Disorders*, 22(2), 211-229. doi:10.1007/s40519-0160309-1
- Boeckner, L.S., Eisenhauer, C., Hageman, P. A., Hertzog, M., Pozehl, B., & Pullen, C.H. (2017).
  Web-Based Interventions Alone or Supplemented with Peer-Led Support or Professional
  Email Counseling for Weight Loss and Weight Maintenance in Women from Rural
  Communities: Results of a Clinical Trial. *Journal Of Obesity*, 1-21.
  doi:10.1155/2017/1602627
- Bourassa, K. A., McKibbin, C. L., Hartung, C. M., Bartholomew, K. L., Lee, A. A., Stevens, A. E., Andren, K. A. K. (2017). Barriers and facilitators of obesity management in families of youth with emotional and behavioral disorders. Journal of Health Psychology, 22(11), 1469–1479. <u>https://doiorg.liboff.ohsu.edu/10.1177/1359105316630136</u>
- Brown, C.L.; Perrin, E.M (2018). Obesity Prevention and Treatment in Primary Care. *Academy of. Pediatrics. 18*, 736–745.
- Cameron Russell. (Oct 2012). *Looks aren't everything* [Video file]. Retrieved from https://www.ted.com/talks/cameron\_russell\_looks\_aren\_t\_everything\_believe\_me\_i\_m\_a \_model
- Cardel, M.I., Atkinson, M.A., Taveras, E.M., Holm, J., Kelly, A.S. (2020). Obesity Treatment Among Adolescents: A Review of Current Evidence and Future Directions. *JAMA Pediatrics*. doi:10.1001/jamapediatrics.2020.0085

Cardel, M.I., Jastreboff, A.M., Kelly, A.S. (2019). Treatment of Adolescent Obesity in

2020. JAMA. 2019;322(17):1707-1708. doi:https://doi.org/10.1001/jama.2019.14725

- Cawley, J., Meyerhoefer, C., 2012. The medical care costs of obesity: an instrumental var- iables approach. J. Health Econ. 31, 219–230. http://dx.doi.org/10.1016/j.jhealeco. 2011.10.003.
- Centers of Disease Control and Prevention (2008). Adult Obesity Facts. Retrieved from https://www.cdc.gov/obesity/data/adult.html
- Centers of Disease Control and Prevention (2018). BMI calculator for Child and Teen. Retrieved From

https://www.cdc.gov/healthyweight/bmi/result.html?&method=english&gender=f&dob= 2007-03-07&dom=2019-07-01&hft=5&hin=9&twp=185

- Centers of Disease Control and Prevention (2015). The Health Effects of Overweight and Obesity. Retrieved from https://www.cdc.gov/healthyweight/effects/index.html
- Centers for Medicare & Medicaid Services (2017). Quality Payment Program. Retrieved from https://www.cms.gov/Medicare/Quality-Payment-Program/Quality-Payment-Program.html
- Chamberland, K., Sanchez, M., Panahi, S., Provencher, V., Gagnon, J., & Drapeau, V. (2017).
  The impact of an innovative web-based school nutrition intervention to increase fruits and vegetables and milk and alternatives in adolescents: a clustered randomized trial. *International Journal of Behavioral Nutrition & Physical Activity*, *14*, 1–11. https://doi-org.liboff.ohsu.edu/10.1186/s12966-017-0595-7
- Chris. [@starvinggradstudent]. (n.d.). PhD Student in Nutritional Biochemisty. CEO of Nutritional Magic.[TikTok profile]. TikTok. Retrieved May 15, 2020, from https://www.tiktok.com/@starvinggradstudent?

Damschroder, L., Gillon, L., Holleman, R., Lutes, L., Masheb, R., Kim, H., & Richardson, C. R.

(2017). Behavioral Treatment for Veterans with Obesity: 24-Month Weight Outcomes from the ASPIRE-VA Small Changes Randomized Trial. *Journal Of General Internal Medicine*, 32:40-47. doi:10.1007/s11606-017-3987-0

- Garvey, W.T., Mechanick, J.I., Brett, E.M., et al. (2016). American Association of Clinical Endocrinologists and American College of Endocrinology clinical practice guidelines for comprehensive medical care of patients with obesity–executive summary. Endocr Pract. 2016;23(2):207-238.
- Grossman DC, Bibbins-Domingo K, Curry SJ, et al. (2017). US Preventive Services Task Force. Screening for obesity in children and adolescents: US Preventive Services Task Force recommendation statement. JAMA. 317(23):2417-2426
- Graham, D.J., Wall, M.M., Larson, N., & Neumark-Sztainer, D. (2014). Multicontextual correlates of adolescent leisure-time physical activity. *Am J Prev Med*. 46(6):605-616.

Gurnani, M., Birken, C., & Hamilton, J. (2015). Childhood Obesity: Causes, Consequences, and

Management. *Pediatric Clinics of North America*, 62(4), 821–840. <u>https://doi-org.liboff.ohsu.edu/10.1016/j.pcl.2015.04.001</u>

HealthSignz. (2016, January 1). *What is Motivation?* [Video]. Youtube. https://www.youtube.com/watch?v=WQiwbScOOtA

Hageman, P. A., Pullen, C. H., Hertzog, M., Pozehl, B., Eisenhauer, C., & Boeckner, L. S.(2017). Web-Based Interventions Alone or Supplemented with Peer-Led Support orProfessional Email Counseling for Weight Loss and Weight Maintenance in Women

from Rural Communities: Results of a Clinical Trial. *Journal Of Obesity*, 1-21. doi:10.1155/2017/1602627

Johns, L. J., Dihigo, S., & Gilder, R. E. (2018). Collaborative Effort to Manage Childhood

Obesity: Parental Employer, Health Insurance, and Employee Health Clinic. *Journal of Doctoral Nursing Practice*, *11*(1), 35–42. https://doi-org.liboff.ohsu.edu/10.1891/2380-9418.11.1.35

Lutes, L., Damschroder, L., Masheb, R., Kim, H., Gillon, L., Holleman, R., & ... Richardson,

C.R.(2017). Behavioral Treatment for Veterans with Obesity: 24-Month Weight Outcomes from the ASPIRE-VA Small Changes Randomized Trial. *JGIM: Journal General Internal Medicine*, 3240-47. doi:10.1007/s11606-017-3987-0

- Mission: Readiness Military Leaders for Kids (2010). Too fat to fight. Retrieved from http://cdn.missionreadiness.org/MR\_Too\_Fat\_to\_Fight-1.pdf
- Ogden, C.L., Carroll, M.D., Fryar, C.D., & Flegal, K.M. (2015). Prevalence of obesity among adults and youth: United States, 2011-2014. NCHS Data Brief. 2015;(219):1-8.
- Owen, G., Jones, K., & Harris, R. (2017). Does neighbourhood deprivation affect the genetic influence on body mass? *Social Science & Medicine*, 185: 38-45. doi:10.1016/j.socscimed.2017.05.041

Prochaska, J.O., Redding, C.A., & Evers, K.E. (2002). The transtheoretical model and stages of changes. In F.M. Lewis (Ed.), *Health behavior and health education: Theory, research* and practice (pp. 99-120). San Francisco, CA: Jossey Bass. Small, L., Bonds-McClain, D., Melnyk, B., Vaughan, L., & Gannon, A. M. (2014). The

preliminary effects of a primary care-based randomized treatment trial with overweight and obese young children and their parents. *Journal of pediatric health care : official publication of National Association of Pediatric Nurse Associates & Practitioners*, 28(3), 198–207. doi:10.1016/j.pedhc.2013.01.003

Taveras, E. M., Marshall, R., Kleinman, K. P., Gillman, M. W., Hacker, K., Horan, C. M., Simon, S. R. (2015). Comparative effectiveness of childhood obesity interventions in pediatric primary care: a cluster-randomized clinical trial. *JAMA Pediatrics*, 169(6), 535– 542. https://doi-org.liboff.ohsu.edu/10.1001/jamapediatrics.2015.0182

TedEd. (n.d.). [Video file]. Retrieved from https://ed.ted.com.

United States Preventive Services Task Force (2018). Screening for and management of obesity in adults. Annual Internal Medicine,157(5):373-378.

Washington State Department of Health (2016). Obesity Data. Retrieved from

https://www.doh.wa.gov/DataandStatisticalReports/DiseasesandChronicConditions/Obesi
ty

## COPYRIGHT: DO NOT COPY. LACEY BLISS, MS, FNP-C. 5-2020

#### Appendix A

# Class 1 of 6 Outline

## Behavior Change through motivation, interests & strengths: Facilitator UWNC

Lesson Topic for 6/6/2021: Brainstorm and reflect on motivators, personal interests and strengths

#### **Summary of Unit and Lesson**

Unit Summary: The development of new tools helps drive intrinsic motivation.

## Lesson Summary

Time: 120 min.

This lesson will provide the opportunity for students to reflect as a group and workshop individually.

• Introductions **10 mins** 

• Students will watch videos below **15 mins** 

https://www.youtube.com/watch?v=WQiwbScOOtA What is motivation? 2min

https://www.ted.com/talks/cameron\_russell\_looks\_aren\_t\_everything\_believe\_me\_i\_m\_a\_

model Looks aren't everything 10 mins (Cameron, R., 2012)

• Topic: Discussion on motivation targeting healthy lifestyle 20 mins

#### <u>Warm up:</u>

1. What is motivation? What is a healthy lifestyle? Why is a healthy lifestyle important?

2. Today we are discussing what motivates you to live a healthy lifestyle. What do you think

the purpose of this activity is?

(Hint: There are many reasons...be creative).

3. What are some important "strengths" to follow when picking interests to help you stay motivated to live a healthy lifestyle?

- Group identifies challenges. Group shares personal solutions. **10 mins**
- Reflect time: Students will journal specific questions identifying personal strengths and interests. **15 mins**

## (Facilitator will assess how students are doing)

- Break (post reflection, healthy snack prep) **10 mins**
- Share & questions time: Students will share one personal strength and motivator if desired.
   Time to write questions on 5x5 index cards for anonymous Q/A next class 10 mins
- Movement: stretch and meditation to rest and reflect on goals of wellness workshop Students will participate in mindful meditation **30 mins**

Key Knowledge to Acquire:		Essential	Desired Understandings	
		Questions/Statements:		
Students will know	Students will be able to	• What makes a	• Depict three healthy	
Recognize interests and	• Use their	healthy lifestyle?	lifestyle points: Less soda,	
strengths that pertain to	understanding of	• How does internal	more activity, < 2 hr	
active lifestyle	how motivation	interests dive	screen time	
	works to pick 2	motivation for	• Picking personal interests	
	behavior changes for	increase exercise	to drive behavior change	
	the week	habits?	increases motivation	
	• Define a healthy	• Why is reflecting	• Personal reflection can	
	lifestyle	on personal	help create a clear picture	
	• Focus on personal	interests to	of strengths that contribute	
	interests	increase healthy	to healthy living	
	Communicate their	behaviors	• Working as a unit in the	
	ideas effectively	important?	household can increase	
	• Identify personal	• Why is motivation	motivation to live a	
	strengths targeting	important for	healthy lifestyle	
	healthy lifestyle	change?		
	choices			
	• Discuss how			
	motivation can			
	increase or decrease			
	lifestyle choices			

# LEARNING TARGETS AND OUTCOMES

# Materials/Resources:

Student notebooks, index cards, speaker, yoga mats (12), mindful meditation (head space

app on smart phone)

#### Assessments:

Formative Assessment: (Informal): As instructor is walking around the room during journal

time, they will make observations about how individuals are doing, prompting writing if

needed. Also, they will read the student's reflections following the lesson to assess my

learning targets.

# **Topic Discussion:**

What is healthy lifestyle?

Reduce soda intake; Screen time < 2 hours/day ; Increase activity (non exercise activity included.

# COPYRIGHT: DO NOT COPY. LACEY BLISS, MS, FNP-C. 5-2020

# Appendix B

Class outline 2 of 6

## Nutrition labels, dining out, & fast food: Facilitator UWNC

Lesson Topic 2/6 for 6/13/2021: What are nutrition labels and how do we use them?

## **Summary of Unit and Lesson**

Unit Summary: Using a strategy to read nutrition labels can help give personal insight into

what food is. Discuss how dinning out and fast food can affect daily intake.

## Lesson Summary

Time: 120 min.

This lesson will provide the opportunity for students to reflect as a group and workshop

individually.

• Introduction to lesson **20 mins** 

Warm up:

- 1. What a nutrition label? How do we read a nutrition label?
- 2. What is an added sugar vs carbohydrate?
- 3. Today we are discussing nutrition labels, dinning out and fast food. What do you think the

purpose of this activity is?

https://www.tiktok.com/@starvinggradstudent?lang=en blood type diet- finger/white/blue

shirt 5 mins

https://ed.ted.com/best\_of\_web/IzCL8SMP Myths in school nutrition 5 mins

• Topic: What are nutrition labels and how do we use them? What are carbohydrates and

added sugars? 20 mins

https://www.ted.com/talks/nicole\_avena\_how\_sugar\_affects\_the\_brain 4 min https://www.ted.com/talks/robert\_lustig\_sugar\_hiding\_in\_plain\_sight 4 min https://www.tiktok.com/@starvinggradstudent?lang=en Artificial Sweetener https://www.tiktok.com/@starvinggradstudent?lang=en Friends asking for nutrition advice https://www.tiktok.com/@starvinggradstudent?lang=en cucumber/sugar/chicken/almonds— 100 calorie

- 100 calorie name game with real food/boxes 30 mins
  - 1. Set up boxes of 10 different common foods from pantry. Prep paper on table
  - Let students walk around and serve up/pour 1 serving, Write name next to display (10 mins)
  - Next round- let students serve up/pour 100 calories. Write name next to display (10 mins)
  - 4. Reveal real serving size of each winner (5 mins)
  - 5. Reveal 100 calories of each winner (5 mins)
- Reflect time: Students will journal specific questions identifying when they can personally read a label twice a week. **10 mins**
- Break (post reflection) **10 mins**
- Hands on: <u>https://www.tiktok.com/@starvinggradstudent?lang=en</u> poop emoji cookies

## demo 30 mins

Ingredients: stand mixer, 4 egg whites, ½, teaspoon vanilla, salt, 100g powdered erthitol, teaspoon coco powder, piping bags, spoon and piping bags, oven, coco powder. stand mix egg whites and salt, vanilla. mix dry ingredients. Add dry ingredients slowly. Stiff peaks- pipe out into turds. 225 degrees, 60 min. sprinkle with coco.

# 112 cals for entire plate

Share & questions time: Students will share thing they have learned when reading nutrition labels, dinning out, and picking fast food. Time to write questions on 5x5 index cards for anonymous Q/A next class 10 mins

Key Knowledge to Acquire:		Essential	Desired Understandings
		Questions/Statements:	
Students will	Students will be	• How do I determine	• State calorie content per serving,
know	able to	calories in entire box of X?	per box for three items
	• Use their	• What is the difference	• Look up favorite restaurant menu
Interpret	understanding	between natural	for review
serving size,	of how to read	carbohydrates and added	
calories from	nutrition	sugar?	
a nutrition	labels and	• Why should I think about	
label.	apply serving	looking at nutrition labels	
Describe	sizes	when I eat out or get fast	
what	• Define an	food?	
carbohydrate	added sugar		
s are vs	• Focus on top		
added sugars	fast food picks		
	and look up		
	nutrition label		

# **LEARNING TARGETS AND OUTCOMES**

# Materials/Resources:

Nutrition boxes x 10, paper sheet, cups, serving spoon (10), Prize (2 5 dollar gift cards)

index cards, speakers (music), yoga mats (12), internet connection, stand mixer, 4 egg

whites, <sup>1</sup>/<sub>2</sub> teaspoon vanilla, salt, 100g powdered erthitol, teaspoon coco powder, piping

bags, spoons, oven , cookie sheet/liner

# **Entry Task:**

Warm up:

1. What a nutrition label? How do we read a nutrition label?

2. What is an added sugar vs carbohydrate?

3. Today we are discussing nutrition labels, dinning out and fast food. What do you think the

purpose of this activity is?

# **Topic Discussion:**

**REVIEW**:

Serving Size

Calories

Total Fat

Total Carbohydrate

Sugars (added)

Protein

# COPYRIGHT: DO NOT COPY. LACEY BLISS, MS, FNP-C. 5-2020

# Appendix C

## Class outline 3 of 6

## Body image: Instructor UWNC- Social Worker & HFF Yoga Teacher

Lesson Topic 3/6 for 6/20/2021: Class 3: Body image, self-esteem, self-objectification, bullying

## **Summary of Unit and Lesson**

Unit Summary: Discussion on body image and building a healthy relationship with self-

esteem, self-objectification, and self-worth. Identify bullying behavior and how to address is.

## Lesson Summary

Time: 120 min.

• Introductions 20 mins

https://www.ted.com/talks/ashley\_graham\_plus\_size\_more\_like\_my\_size - plus size model

**10 min** 

https://www.ted.com/talks/winnie\_harlow\_how\_i\_define\_beauty - bullying 7 min

Warm up:

- 1. What is confidence and self-esteem and self-worth? Self-objectification?
- 2. How do people get high self-esteem vs. low self-esteem? (discussion)
- 3. What is bullying? How does bullying effect self-worth?
- Topic: https://ed.ted.com/lessons/3-tips-to-boost-your-confidence-ted-ed#watch

confidence building 5min (30 minutes)

Tips for review- discuss and review as a class (handout):

1. Make two lists: one of your strengths and one of your achievements. Try to get a supportive friend or relative to help you with these lists. Keep the lists in a safe place and read through them every morning.

2. Think positively about yourself. Remind yourself that, you are a unique, special, and valuable person, and that you deserve to feel good about yourself. Identify and challenge any negative thoughts about yourself such as 'I'm a loser', 'I never do anything right', and 'No one really likes me'.

3. Pay special attention to hygiene: Take a shower, brush your hair, trim your nails.

4. Wear clean clothes that make you feel good about yourself.

5. Eat good food as part of a healthy, balanced diet. Make meals a special time, even if you are eating alone. Turn off the TV, set the table, light a candle, and make a moment to feel grateful.

article continues after advertisement

6. Exercise regularly. Go for a walk every day, even if it is cold or rainy, and take more vigorous exercise (exercise that makes you sweat) two or three times a week.

7.. Do more of the things that you enjoy. Go ahead and spoil yourself. Do at least one thing that you enjoy every day.

11. Get artistic. Activities like poetry, music, and dance, among many others, enable you to express and explore your emotions, interact positively with others, and reduce your levels of stress.

12. Be nice to people, and do nice things for them. Strike up a conversation with the postman or shopkeeper, invite a neighbor round for tea, visit a friend who is sick, get

involved with a local charity... Putting a smile on someone's face is bound to put one on yours.

Adapted from : Burton, Neel (2012). Building confidence and self-esteem. Retrieved from https://www.psychologytoday.com/us/blog/hide-and-seek/201205/building-confidence-andself-esteem.

- Reflect time: Students will journal thoughts on bullying and personal experiences in experiencing bullying or witnessing bullying. Reflect on self-esteem levels this past two weeks 20 mins
- Break (post reflection) **10 mins**
- Get up and move Intro to yoga postures (HFF teacher) **30 minutes**
- Share & questions time: Write questions on 5x5 index cards for anonymous Q/A next class. Pick one song for yoga session next class! 10 mins
- HOMEWORK:

Student: Journal lists your strengths and your achievements. Ask people in your life to help build your list

Facilitator: Email song list to Hot Feet Fitness Instructor to build class for next week

# LEARNING TARGETS AND OUTCOMES

Key Knowledge to Acquire:		Essential Questions/Statements:	Desired Understandings
Students	Students will be able to	• How do I increase my own	• State one activity daily to
will know	• Reflect on personal	self confidence?	increase self-esteem.
	strengths		• State one personal strength
Identify	• Describe bullying and		
personal	apply one example		
strengths to	(hypothetical or real)		
foster self			
confidence			
and self-			
esteem.			
Identify			
bullying.			

# Materials/Resources:

Index cards, speakers (music), yoga mats (12), internet connection

## COPYRIGHT: DO NOT COPY. LACEY BLISS, MS, FNP-C. 5-2020

#### Appendix D

Class Outline 4 of 6

#### Class 4: Staying fit across lifespan- UWNC Facilitator & HFF Teacher

Lesson Topic 4/6 for 6/27/2021: Class 4- Discuss exercise, movement, and sedentary lifestyles.

**Summary of Unit and Lesson** 

Unit Summary: Discussion on exercise across the lifespan and finding enjoyment in

movement. Identify sedentary behaviors and ways to increase activity into our daily life.

## Lesson Summary

Time: 120 min

• Introductions 10 mins

https://www.ted.com/talks/murat\_dalkilinc\_why\_sitting\_is\_bad\_for\_you - Sitting and

movement 5 mins

https://ed.ted.com/best\_of\_web/WaARd3SV Exercise science 5 mins

- Topic: Brainstorm favorite activities, movement, and sedentary activities. Discuss how to increase non-exercise activity daily **20 mins**
- Exercise time: Yoga class taught by Hot Feet Fitness instructor using student's song choices **40mins**
- Break 10 mins
- Stretching talk **10 mins**

https://ed.ted.com/best\_of\_web/jRqHvBs9#watch What does Stretching do to body? 8 min

- Share & questions time: *Pick one vegetable to chop during next class*. Time to write questions on 5x5 index cards for anonymous Q/A next class **10 minutes**
- Wrap up: Yin yoga, meditation taught by Hot Feet Fitness Instructor 20 mins

# LEARNING TARGETS AND OUTCOMES

Key Knowledge	to Acquire:	Essential	Desired Understandings
		Questions/Statements:	
Students will	Students will be	• How do I pick an exercise	• Recognize that exercise
know	able to	activity for life?	must be enjoyable to be
	• Describe one		sustainable for life.
Identify non-	non-exercise		• Recognize two non-
exercise	activity to		exercise behaviors to do
movement	add into		daily for life.
	lifestyle daily		
	for life		
	• Verbalize one		
	exercise		
	activity		

# Materials/Resources:

Hot Fit Fitness yoga instructor, index cards, speakers (music), yoga mats (12), internet

connection

# COPYRIGHT: DO NOT COPY. LACEY BLISS, MS, FNP-C. 5-2020

# Appendix E

Class Outline 5 of 6

# Sleep and Screen Time: Facilitator UWNC

Lesson Topic for 7/5/2021: Sleep and screen time daily success

# **Summary of Unit and Lesson**

Unit Summary: Sleep plays an important role in maintaining healthy lifestyle in adolescents

through adulthood. Screen time can affect overall sleep patterns, and sedentary activity levels.

Discuss how sleep and screen time can affect personal success in a healthy lifestyle.

# Lesson Summary

Time: 120 min.

• Introductions – Highs and lows of week 15 minutes

Students will watch videos below 30 minutes

https://ed.ted.com/lessons/what-would-happen-if-you-didn-t-sleep-claudia-aguirre#watch

Sleep 5 min

https://www.youtube.com/watch?v=WCT5JcCXMPw 8 min

https://www.ted.com/talks/adam\_alter\_why\_our\_screens\_make\_us\_less\_happy?referrer=playli

st-the\_pros\_and\_cons\_of\_screens#t-2844 Why screens don't make us happy- 10 min

• Topic: 20min

Screen time:

Open discussion on Pros and Cons on screen time (display on white board)

Benefits include exposure to new ideas and knowledge acquisition, increased opportunities for

social contact and support, and new opportunities to access health-promotion messages and

information. Risks include negative health effects on weight and sleep; exposure to inaccurate, inappropriate, or unsafe content and contacts; and compromised privacy and confidentiality (Pediatrics, 2016)

Sleep:

 $\underline{https://ed.ted.com/lessons/what-would-happen-if-you-didn-t-sleep-claudia-aguirre\#watch}-$ 

pop quiz to guide conversation

- Break (post reflection, healthy snack prep) 10 mins
- Reflect time: **15 mins**

Students will journal specific questions identifying personal strengths and interests:

1) Do you feel addicted to screens?

2) Do you argue daily with family about screen time?

3) The recommended screen time limit for teens and adults is 2 hours a day (not school

related) - what do you think about this guideline?

4) What is your "white space" filled with? How would you fill a "no phone/social media"

time with and how long each day?

• Share & questions time: What vegetables do you want to chop? 10 mins

# **LEARNING TARGETS AND OUTCOMES**

dents will be able	• Why do teens need more sleep then adults?	• Start conceptualizing and
	then adults?	<b>1 1 1 1</b>
		planning interventions to
Choose a wake	• How can screen time effect	reduce screen time to $< 2$
time for the next	mood?	hours a day
week		• Create a wake time plan
Consider one		to aim for 8-10 hours of
way to spend		sleep a night
"white time"		
when not on a		
screen		
	week Consider one way to spend "white time" when not on a	week Consider one way to spend "white time" when not on a

# Materials/Resources:

Student notebooks, index cards, white board/markers

Bring vegetables (consider 5 total, one for each student) to next class

References:

Media Use in School-Aged Children and Adolescents (2016). Pediatrics.

138 (5) e20162592; DOI: 10.1542/peds.2016-2592

# COPYRIGHT: DO NOT COPY. LACEY BLISS, MS, FNP-C. 5-2020

# Appendix F

Class Outline 6 of 6

# Wrap up and Chop: Facilitator UWNC & PCC Chef

Lesson Topic for 7/11/2021: Plan 3 long term interventions for a healthy year

# **Summary of Unit and Lesson**

Unit Summary: The review and wrap up with mindset to personalize short and long term

goals for the next 12 months.

# Lesson Summary

Time: 120 min.

- Introductions: Highs and lows of the week **10 mins**
- Discuss in open forum ways to continue healthy lifestyle 10 mins

*Guide conversation: Reduce soda intake; Screen time < 2 hours/day ; Increase activity (non* 

exercise activity included)

# Topic: Lets chop! 1 hour 10 mins

PCC chef demo and hands on of chopping favorite vegetables

- Break (post reflection, healthy snack prep) 10 mins
- Review next program goals:

Biweekly visits with PCP – 20 min appointment times. Goals: improved blood pressure,

mood, improved self-esteem, and increased activity; Social worker touch in -40 min

appointment every other month if desired; Nutrition based visit – 40 min

Share & questions time: Wrap up- reflections/thoughts. Students will share favorite class they

enjoyed or did not enjoy 20 min

# **LEARNING TARGETS AND OUTCOMES**

Key Knowled	lge to Acquire:	Essential Questions/Statements:	Desired Understandings
Students	Students will be able	• What makes a healthy	• Safe knife skills to carry
will know	to	lifestyle?	forward into the home kitchen
	• Chop one		• Enjoy prepping and cooking
One safe	vegetable		vegetables for sustainable
knife skill	• Describe one		health
	way to prepare		• Depict three healthy lifestyle
	vegetable of		points: Less soda, more
	choice		activity, < 2 hr screen time

# Materials/Resources:

Student notebooks, cutting boards (12), knifes (12), PCC chef time, vegetables picked by

students (12 each)

# COPYRIGHT: DO NOT COPY. LACEY BLISS, MS, FNP-C. 5-2020

# Appendix G

# Supply List and Cost Estimate

	SUPPLY:	PREDICTED COST:
EVERY CLASS:		
	Facilitator time – 120min a	
	week x 6	
	Student notebook (12) offered	\$20
	first class and to be brought	
	to each class	
	Index cards (100)	\$3
	Speaker	
	Yoga mats (12)	\$100 (donation?)
	Internet connection	
	Healthy snack each class	\$100 (donation?)
	Paper plates	\$5
	Serving spoons	

	Cups	\$5
	Water	
	Computer with Projection	
CLASS 1		
	Head Space App	
CLASS 2		
	Nutrition Boxes x10	donation
	Table paper	
	Cups	\$10
	Serving spoons	
	Markers	
	Gift Card \$5x2	\$10 dollar (donation?)
	Stand mixer	\$10 (donation?)
	4 egg whites	
	<sup>1</sup> ∕2 teaspoon vanilla	
	1/2 teaspoon salt	
	100g powdered erthitol	
	1 teaspoon coco powder	
	piping bags	
	spoons	
	oven	
	cookie sheet/liner	

CLASS 3		
	Yoga Instructor	\$20 (donation?)
CLASS 4		
	Yoga Instructor	\$20 (donation)
CLASS 5		
	White board	
CLASS 6		
	Chef /Chef owned supplies	\$100 (donation?)
	Vegetables (6 pounds)	\$20 (donation?)
TOTAL:		\$43 - \$423

\*If left blank considered a basic Primary Care Office donation

Supply List in Detail:

Every Class:

Facilitator time – 120min a week x 6

Student notebook (12) offered first class and to be brought to each class

Index cards (100)

Speaker

Yoga mats (12)

Internet connection

Healthy snack each class

Paper plates

Serving spoons

Cups

Water

Computer with classroom projection

Break = bathroom and healthy snack/water options to class

Class 1

Head space app (free) on smart phone

# Class 2

Nutrition boxes x 10

Paper sheets at each box (10)

Cups

Serving spoons (10)

Markers (12)

5-dollar gift card x 2 (Starbucks donation?)

Stand mixer 4 egg whites 1/2 teaspoon vanilla 1/2 teaspoon salt 100g powdered erthitol 1 teaspoon coco powder piping bags spoons oven cookie sheet/liner

See handout – print

Yoga Instructor – Hot Feet Fitness : Free intro class

Class 4

Yoga Instructor – Hot Feet Fitness: 40 min flow with student's music

Class 5

White board/large paper stand

Class 6

PCC chef time (2 hour)

Cutting boards (12)

Knifes (12)

5 Vegetables picked by students (12 each)